

Stream Table Maps

Materials:

- FOSS stream table map, no slope (Teacher's Guide, Landforms, Assessment sheet #8)
- FOSS stream table map, slope (Teacher's Guide, Landforms, Assessment sheet #9)
- Student's science notebook
- Student response sheet

Note: A team of two students could easily share a set of stream table maps.

Procedures, Teacher direction to students:

- Find evidence in your science notebook that matches the *important events* on each stream table map.
 - Continue to use your science notebook as a reference. Choose 2 events listed on the stream table map. Write/draw an explanation of that landform using data collected from an earlier investigation.
- Example:
- ▶ Suppose you choose a *canyon forms* as one of your 2 *important events*.
 - ▶ Look in your science notebook and find the investigation where you were exploring canyon formation and the slope of the land.
 - ▶ How is your data similar to or different from the data provided on the stream table map?
 - ▶ Use the data from your earlier investigation to write/draw an explanation of how canyons form. Repeat for event #2.
- Work like a scientist. Include specific information to support your explanation.
 - Include at least one scientific drawing.

GRADE 5 GOAL 2 - Landforms			
SCORE	CRITERIA	STUDENT SCORE	NOTES
4 ▶	<ul style="list-style-type: none"> ▶ Responses show clarity and depth of understanding. ▶ Matches <i>important events</i> to a specific investigation in his/her science notebook ▶ Uses correct, well thought out vocabulary to communicate ideas ▶ Science notebook/event match-up is more elaborate and exemplifies evidence that the student is working to understand what he/she sees and observes 		
3 ▶	<ul style="list-style-type: none"> ▶ Responses show understanding of the concept ▶ Matches <i>important events</i> to a specific investigation in his/her science notebook ▶ Uses reasonable vocabulary to communicate ideas ▶ Science notebook/events match-up shows evidence that the student is working to understand what he/she observes 		
2 ▶	<ul style="list-style-type: none"> ▶ Answers to questions and thought processes show some understanding, even though concepts are not always to the point ▶ Attempts to find evidence for the <i>important events</i> listed on the slope maps 		
1 ▶	<ul style="list-style-type: none"> ▶ Expresses very little understanding of the concepts ▶ Does not use or have enough information in his/her science notebook to answer the questions 		

